

**Period 1
Astronomy CP**

Week 23

22 (552-02)

Mr. Davies
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Date	Lesson Title	Objectives	Class Work		Homework <i>Do not spend more than 60 minutes on any one night's homework!</i>
<i>Monday</i> 2/6 Day 2	No Class				
<i>Tuesday</i> 2/7 Day 3	Spectral Classification of Stars II		Classification of Stellar Spectra (Project CLEA Simulation)		
<i>Wednesday</i> 2/8 Day 4	The Mid-Winter Sky		o The Mid-Winter Stars / and Constellations		o The Mid-Winter Sky Practice Quiz
<i>Thursday</i> 2/9 Day 5 <i>Early Release</i> Parent/Teacher Conference	Ch. 11a Review		o Chapter 11a Practice Test – Stellar Spectra Web Review Questions and Crossword Puzzle “Stellar Spectra” www.sdavies.com		Study for Ch. 11a Test!
<i>Friday</i> 2/10 Day 6	Ch. 11a Test!		o Chapter 11a Test – Stellar Spectra		o Ch. 11a Self-Evaluation
Next Week	<i>Monday</i> 2/13 Day 7	<i>Tuesday</i> 2/14 Day 1	<i>Wednesday</i> 2/15 Day 2	<i>Thursday</i> 2/16 Day 3	<i>Friday</i> 2/17 Day 4
	Stellar Parallax I o Desktop Parallax o Stellar Parallax (1/2)	Mid-Winter Sky Quiz! Stellar Parallax II o Parallax I / II	No Class	o Apparent Magnitude	Brightness vs. Distance * o Inverse Square Law o D-B Nomogram o <i>mag</i> vs. <i>dist</i> o The H-R Diagram (2)

* = Possible

Review questions and more at www.sdavies.com

o = Handout

Find updates and chapter specific resources at <http://info.brookscole.com/pasachoff/>

Period 4
Introductory Physics Honors

Week 23

15 (539-02)

Mr. Davies
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Date	Lesson Title	Objectives	Class Work	Homework <i>Do not spend more than 60 minutes on any one night's homework!</i>	
<i>Monday</i> 2/6 Day 2	Chapter 6.2-6.3 Review		Connection: History of the Helicopter, pp. 158-159; Questions pg. 159 Review Questions; Physics Interactives; and Crossword Puzzle "Centripetal Force and Gravity" www.sdavies.com	Prepare for Chapter 6 Test!	
<i>Tuesday</i> 2/7 Day 3	Chapter 6.2-6.3 Test!		o Test - Ch. 6.2-6.3 Centripetal Force and Gravity	o Chapter 6.2-6.3 Self-Evaluation	
<i>Wednesday</i> 2/8 Day 4	The Mid-Winter Sky		o The Mid-Winter Stars / and Constellations		
<i>Thursday</i> 2/9 Day 5 <i>Early Release</i>	No Class Parent/Teacher Conferences				
<i>Friday</i> 2/10 Day 6	7.1 The Nature of Matter	- Describe the nature of matter at the atomic level. - Explain how Brownian motion supports the theory that matter is made of tiny, invisible particles. - Distinguish between elements, compounds, and mixtures.	o OB-SCERTAINER™ * Brownian Motion.avi Matter is made of tiny particles in constant motion; Elements are the purest form of matter; Atoms are the smallest particles that make up elements; Compounds contain two or more elements (notes pp. 166-169) o Identifying Substances (PH112) / The Submicroscopic (CPS63)	Read Section 7.1: The Nature of Matter, pp. 166-169 7.1 Section Review, pg. 169 7.1 Chapter Review, pp. 188-190 [Do just 1 of the "Applying Your Knowledge" (AYK) questions] Complete class-work handouts * o 7.1 Indirect Measurement	
Next Week	Monday 2/13 Day 7	Tuesday 2/14 Day 1	Wednesday 2/15 Day 2	Thursday 2/16 Day 3	Friday 2/17 Day 4
	o 7.2a Temperature	7.2b Phases of Matter oPhase/Particle& Phases	o Investigation 7A: Temperature and Heat	7.3 What Is Heat? o 7.3 Specific Heat	7.4 Heat Transfer

* = Possible

Review questions and more at www.sdavies.com
Ask your teacher about the electronic version of your textbook.

o = Handout

Period 5
Physics Honors

Week 23

24 (541-01)

Mr. Davies
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Date	Lesson Title	Objectives	Class Work	Homework <i>Do not spend more than 60 minutes on any one night's homework!</i>	
Monday 2/6 Day 2	Conservation of Momentum Lab	- Predict the motion of dynamics carts that undergo different types of collisions.	o Inv. 3A: Momentum and the Third Law (*.ppt) * Design and test conservation of momentum during an inelastic collision * o Conservation of Momentum in Linear Collisions		
Tuesday 2/7 Day 3	Review Ch. 6		o Momentum / Systems Physics interactives; crossword puzzle and review questions www.sdavies.com	Study for Test!	
Wednesday 2/8 Day 4	Chapter 6 Test!		o Chapter 6 Test – Momentum and Collisions	o Chapter 6 Self-Evaluation	
Thursday 2/9 Day 5 Early Release Parent/ Teacher Conference	The Mid-Winter Sky		o The Mid-Winter Stars / and Constellations		
Friday 2/10 Day 6	No Class				
Next Week	Monday 2/13 Day 7	Tuesday 2/14 Day 1	Wednesday 2/15 Day 2	Thursday 2/16 Day 3	Friday 2/17 Day 4
	o Centripetal Force I	Centripetal Force II	7.3a Force that Maintains Circular Motion	Centripetal Force III o CF (Loop Coaster)	7.3b Universal Law of Gravity

* = Possible

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Find extra problem sets, homework help, and more at the *Holt Physics* website:
http://go.hrw.com/hrw.nd/gohrw_rls1/pKeywordResults?keyword=HF2%20HOME

Period 6
Introductory Physics Honors

Week 23

12 (539-01)

Mr. Davies
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Date	Lesson Title	Objectives	Class Work	Homework	
Monday 2/6 Day 2	Chapter 6.2-6.3 Review		Connection: History of the Helicopter, pp. 158-159; Questions pg. 159 Review Questions; Physics Interactives; and Crossword Puzzle “Centripetal Force and Gravity” www.sdavies.com	Do not spend more than 60 minutes on any one night’s homework! Prepare for Chapter 6 Test!	
Tuesday 2/7 Day 3	Chapter 6.2-6.3 Test!		o Test - Ch. 6.2-6.3 Centripetal Force and Gravity	o Chapter 6.2-6.3 Self-Evaluation	
Wednesday 2/8 Day 4	7.1 The Nature of Matter	- Describe the nature of matter at the atomic level. - Explain how Brownian motion supports the theory that matter is made of tiny, invisible particles. - Distinguish between elements, compounds, and mixtures.	o OB-SCERTAINER™ * Brownian Motion.avi Matter is made of tiny particles in constant motion; Elements are the purest form of matter; Atoms are the smallest particles that make up elements; Compounds contain two or more elements (notes pp. 166-169) o Identifying Substances (PH112) / The Submicroscopic (CPS63)	Read Section 7.1: The Nature of Matter, pp. 166-169 7.1 Section Review, pg. 169 7.1 Chapter Review, pp. 188-190 [Do just 1 of the “Applying Your Knowledge” (AYK) questions] Complete class-work handouts * o 7.1 Indirect Measurement	
Thursday 2/9 Day 5 Early Release Parent/Teacher Conference	The Mid-Winter Sky		o The Mid-Winter Stars / and Constellations		
Friday 2/10 Day 6	7.2a Temperature	- Convert between temperature scales.	Measuring temperature; Thermometers; What temperature really is; Absolute zero (notes pp. 170-172,175) o 7.2 Temperature Scales (°F ↔ °C) / (Kelvin) * “Temperature Conversions (HowTo)” and “...(TryIt)” Interactives www.sdavies.com	Read Section 7.2: Temperature and the Phases of Matter, pp. 170-175 Finish “7.2 Temperature Scales” practice sheet	
Next Week	Monday 2/13 Day 7	Tuesday 2/14 Day 1	Wednesday 2/15 Day 2	Thursday 2/16 Day 3	Friday 2/17 Day 4
	No Class	o Investigation 7A: Temperature and Heat	7.3 What Is Heat? o 7.3 Specific Heat	7.4 Heat Transfer	o Investigation 7B: Energy and Phase Changes * o Calorimetry * o Change of Phase

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Period 7
Astronomy CP

Week 23

16 (552-01)

Mr. Davies
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Date	Lesson Title	Objectives	Class Work	Homework <i>Do not spend more than 60 minutes on any one night's homework!</i>	
<i>Monday</i> 2/6 Day 2	Spectral Classification of Stars I		Review Types of Spectrums and the Atomic Model of Light (from Ch. 2) o Spectral Lines o Spectral Class	Complete class work	
<i>Tuesday</i> 2/7 Day 3	Spectral Classification of Stars II		Classification of Stellar Spectra (Project CLEA Simulation)		
<i>Wednesday</i> 2/8 Day 4	The Mid-Winter Sky		o The Mid-Winter Stars / and Constellations	o The Mid-Winter Sky Practice Quiz	
<i>Thursday</i> 2/9 Day 5 <i>Early Release</i> Parent/Teacher Conference	Ch. 11a Review		o Chapter 11a Practice Test – Stellar Spectra Web Review Questions and Crossword Puzzle “Stellar Spectra” www.sdavies.com	Study for Ch. 11a Test!	
<i>Friday</i> 2/10 Day 6	Ch. 11a Test!		o Chapter 11a Test – Stellar Spectra	o Ch. 11a Self-Evaluation	
Next Week	Monday 2/13 Day 7	<i>Tuesday</i> 2/14 Day 1	<i>Wednesday</i> 2/15 Day 2	<i>Thursday</i> 2/16 Day 3	<i>Friday</i> 2/17 Day 4
	Stellar Parallax I o Desktop Parallax o Stellar Parallax (1/2)	No Class	Mid-Winter Sky Quiz! Stellar Parallax II o Parallax I / II	o Apparent Magnitude	Brightness vs. Distance * o Inverse Square Law o D-B Nomogram o <i>mag vs. dist</i> o The H-R Diagram (2)

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